



December 8, 2005

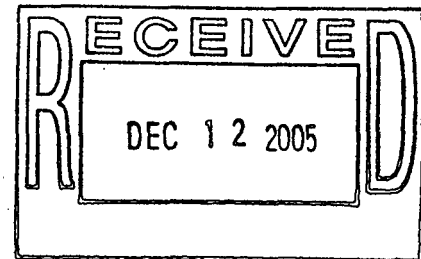
The documents enclosed replace and supplement information contained in the Closeout Report for IHSS Group 000-2 in response to regulatory agency comments.

The following pages are enclosed:

- Pages 15, 164, 280 (replacements)
- RCRs (additional) dated;
 - September 4, 2003,
 - October 6, 2003, and
 - January 19, 2005.

If you have any questions, please contact Susan Serreze at 303-966-2677 or Karen Griggs at 303-966-4743.

Thank you.



ADMIN RECORD

Area	IHSS/PAC	IHSS Group	Description
			tank overflows in 1980 and 1981(DOE 1992a). The tanks and underlying contaminated soil were removed in 2003 (DOE 2004d).
700	Tank 15	700-4	Tank 15 consisted of two 7,500-Gallon Process Waste Tanks also referred to as 34W and 34E. Tank 15 was located in the southern portion of Building 774 and was reportedly used for americium solutions. The tanks were removed in 1974 when an addition was added to Building 774.
700	Tank 17	700-4	Tank 17 consisted of four concrete process waste tanks also referred to as 30, 31, 32, and 33. Tank 17 was located in the southern portion of Building 774 and was reportedly used for americium solutions. The tanks were removed in 1974 when an addition was added to Building 774.
700	Tank 36	700-4	Tank 36 was a steel carbon tetrachloride sump located in the western portion of Building 774. The sump was at a depth greater than 3.5 feet. The steel insert was removed, the sump was decontaminated, left in place, and backfilled.
700	Tank 37	700-4	Tank 37 was a steel-lined concrete sump located in the western portion of Building 774. The sump was at a depth greater than 3.5 feet. The steel insert was removed, the sump was decontaminated, left in place, and backfilled.
700	IHSSs 146.1 through 146.6	700-4	<p>Six underground process waste holding tanks were located south of the original Building 774. Building 774, a liquid waste processing facility, was modified several times since its construction in 1952. During the construction of a southern addition in 1972, the tanks were removed.</p> <p>PAC 700-146 represents a six-chambered reinforced concrete structure south of Building 774. The chambers of the structure were referred to as Tanks 30, 31, 32, 33, 34W, and 34E. Tanks 30 and 33 had a 3,000-gallon capacity. The others had a 6,000-gallon capacity. It is unclear when they were first placed into service. Liquid waste was transferred to or from the tanks through OPWL. The area occupied by the tanks was 22.5 ft (east-west) by 32.5 ft (north-south). The walls of the tanks were 11 ft 8 inches high and the floor of the tanks was at the same approximate height as the second floor of Building 774. Ground elevation to the south of the tanks was approximately 5,965 ft. The ground surface south of Building 774 sloped steeply to the north and levels out near the top of the tanks. The process waste stored in the tanks was an aqueous solution with plutonium, uranium, acids, and caustics.</p>
700	Tanks 19 and 20	700-7	Tanks 19, and 20 were located within the Building 779 subbasement and were believed to constitute two of four subbasement pits that contained process tanks (1A, 2A, 2B, and the T5 tank pit) (DOE 2004e). The process tanks were removed just prior to the FY00 building demolition (DOE 2000b). Inspection of the sub-basement during the IHSS Group 700-7 accelerated action confirmed no stand-alone tanks were present (DOE 2004e). Tank 19 consisted of two 1,000-gallon concrete sumps and Tank 20 consisted of two 8,000 gallon concrete sumps. Tanks 19 and 20 sumps were flow filled when the basement was flow filled and left in place.
700	Tank 38	700-7	Tank 38, a 1,000 gallon steel tank, was located within the Building 779 Tank 38 was one of several tanks located within the Building 779 concrete subbasement. The tank was removed just prior to the FY00 building demolition (DOE 2000b). Inspection of the sub-basement during the IHSS Group 700-7 accelerated action confirmed no tanks were present (DOE 2004e).
800	PAC 800-1204	800-1	PAC 1204 was located to the west and north of Building 865. PAC 1204 included Building 866 which held five process waste tanks that serviced Buildings 865 and 889. The tanks in Building 866 were closed pursuant to RCRA and removed prior to building demolition, which occurred during 2003 (DOE 2004f).
800	Tank 23	800-1	Tank 23 was located in Building 865 was a 6,000-gallon concrete tank. The tank in

OPWL P-27

The P-27 OPWL that branched off P-28 at the southeast corner of Building 774 could not be located during the excavation and removal of P-28 and P-29 OPWLS nor during more extensive pothole excavations.

OPWLs P-28 and P-29

The P-28 and P-29 OPWL, which ran from the Tank 207VVN to Tanks T-14 and T-16 (Building 774), were removed from the tanks to a point approximately 45 ft south of the tanks, where the depth of the pipes reached 6 ft below final grade. A grout plug was inserted in both P-28 and P-29 at this location and both pipes were grout filled from the Tank 207VVN excavation by continuously flowing grout until a continuous flow of grout was observed flowing through the grout vent tube at Tank 207VVN.

OPWL P-31

The P-31 OPWL (between Buildings 771 and 774) was completely removed as part of building demolition.

OPWL P-33

The P-33 OPWL, which originated within the Building 771 footprint and terminated within the Building 774 footprint, did not require any action because the pipe outside of the building footprint was not breached.

OPWL P-34

The P-34 OPWL was completely removed from the 207 VVW to Building 774.

OPWL P-56

The P-56 OPWL (between Buildings 771 and 774) was completely removed as part of building demolition.

4.2.6 Disposition of Manways and Valve Pits – Building 771/774

The manway immediately west of the Building 728 tank pit was completely removed during the excavation and removal of the Building 728 tank pit.

4.2.7 Disposition of Process Waste Tanks and Pits – Building 771/774

All above slab, free standing OPWL tank structures were removed building demolition. Additional details are listed below:

- Tank T-8 was in the Building 728 tank pit and it was completely removed.
- Tank 12, which was shown outside of the Building 771 footprint on the north side of the building, (Figure 8) never existed.
- Tanks 36 and 37 were sumps in the Building 771 Annex. They were both decontaminated, below 3.5 ft of final grade, were left in place and backfilled with soil.

- All tanks associated with OPWL were removed and disposed of. However some sumps were decontaminated and flow filled or backfilled with soil.
- In accordance with the SSRS, subsurface soil in the area is not subject to significant erosion.
- Backfilling of excavations and regrading has been completed. Final grading of areas containing OPWL will be conducted as part of other projects.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: September 4, 2003/ 0730 Hrs.

Site Contact(s): Gary J. Carnival

Phone: X2258

Regulatory Contact: Carl Spreng

Phone: 303-692-3358

Agency: CDPH&E

Purpose of Contact: Review and observe field sampling process, discuss ER measurement approach to locating sample locations and brief him on the results of the test performed using the ER measurement approach to locating sample locations, and review sample locations west of the sewer treatment plant.

Discussion

Drove Carl to the area northeast of Bldg. 777 to allow him to observe the geoprobe sampling process and ask questions. Showed Carl the area where a test was performed to demonstrate the use of and briefed him on the results of using the OPWL measurement approach to locating sample locations. Given the explanation on how the approach was applied at the test location and pictures/schematics demonstrating the results of the test, Carl agreed that the OPWL measurement approach to locating sample locations was an acceptable approach, i.e. measure out from the physical locate of the pipe, a distance equal to the diameter of the pipe plus 8 inches on the same side of the pipe as and as close to the surveyed locations as possible. I then drove Carl to observe the four surveyed sample locations west of the sewer treatment plant to show him the results of the physical locate compared to the surveyed locations. Two of the four physical locates were approx. 8 ½ feet north of the surveyed location; another was approx. 11 ½ feet north and slightly west of the surveyed locations, and the fourth was approx. 70 feet west and north of the surveyed location. The fourth distance was this great because the surveyed location was right in the middle of two concrete storage tanks. In discussing this location with the RISS survey locators, they explained that when these concrete storage tanks were installed, they sections of OPWL pipe and soil back to the current physical locate of the pipe. This sample location will be relocated approx. 70 feet west, northwest to the point where the OPWL pipe was left in the ground. The other three sample locations will be relocated to where the utility locators physically located the pipe. Carl agreed to all four relocates.

Contact Record Prepared By: Gary J. Carnival

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L. Butler, K-H RISS	R. McCalister, DOE	C. Spreng, CDPHE
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S. Gunderson, CDPHE	E. Pottorff, CDPHE	

Additional Distribution

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: October 6, 2003/ 7:00 a.m.

Site Contact(s): Gary Carnival, David Strand
Phone: 303 966-2258, 303 966-6422

Regulatory Contact: Carl Spreng
Phone: 303 692-3358

Agency: CDPHE

Purpose of Contact: Discussion of Tank 31, IHSS Group 000-2 Sample Location CO44-000

Discussion

Tank 31 is shown as OPWL sampling location CO44-000 in Figure 6 of the IASAP Addendum for IHSS Group 000-2 OPWL. A field investigation, to include a review of current and past utility drawings, a physical locate by Kaiser Hill utility locators, and a removal of the tank manhole cover to perform a visual observation of the pipe runs inside the tank, was completed. In addition, a review of Technical Memorandum No. 1, Addendum to Phase I RFI/RI Work Plan Field Sampling Plan, Volume 1, Part A Outside Tanks, OU9 Original Process Waste Lines. DOE 1994, May, revealed that this tank was not listed as being part of the OPWL. The results of the field investigation combined with the review of the technical memorandum provide satisfactory evidence that this location is associated with the sanitary sewer system and not the OPWL system.

For these reasons, this sample location was eliminated.

Contact Record Prepared By: Gary J. Carnival

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D. Strand, K-H RISS

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: 1-19-05 / 1:00

Site Contact(s): Gary Carnival Annette Primrose
Phone: 303 966-2258 303 966-4385

Regulatory Contact: David Kruchek
Phone: 303 692-3328
Agency: CDPHE

Purpose of Contact: Original Process Waste Lines at Building 707

Discussion

The under the slab process waste lines at B707 will be greater than 4 feet below final grade and will be left in place. These lines were previously grouted at the open ends prior to building demolition.

The building slabs around the drains were sawcut prior to slab removal to prevent damaging the OPWL. If OPWL are breached or removed during slab removal operations, then removed OPWL will be appropriately dispositioned as waste, and all open lines will be grouted as per the OPWL project requirements (Gary Carnival's procedure).

Contact Record Prepared By: Annette Primrose

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